

9/6/2012

Priorities identified during the July 26, 2012 meeting between NYSDEC and EPA in New Paltz:

- 1. Conduct additional delineation of the western plume.**
Construction and sampling of additional vertical profile borings (VPBs) to further delineate the western plume, including the leading edge of the plume.
- 2. Contingency Remedy for the Western Plume -** The Navy should select appropriate remediation strategies to help prevent further migration of groundwater contamination. This is especially important for the leading southern edge of the plume, which is approximately 3/8 mile from the currently unaffected South Farmingdale Water District (SFWD) #6 wells. Focused groundwater extraction should be considered, with one or two extraction wells to be placed in the half mile stretch between Aqua NY's Seaman's Neck Rd Plant and South Farmingdale District 3. The Navy should be prepared to include the costs of this remediation in its budget.
- 3. Installation of outpost monitoring wells for potentially affected water districts.**
A network of outpost groundwater monitoring wells would be installed to provide groundwater quality data to water districts that have the potential to be impacted by the site in the future.
- 4. Hotspot upgradient of Bethpage Water District #5.**
Develop a remediation strategy that provides treatment of the hotspot located directly up gradient of BWD #5. Although the water district utilizes air stripping technology to treat influent water, the remediation of this hotspot would enable BWD#5 to continue to provide potable water to consumers without having to install additional treatment systems.
- 5. Bethpage Water District #6 Air Stripper.**
Due to the trend of increasing concentrations of contamination in influent water, there may be a need to add additional trays to the existing treatment system.
- 6. Bethpage Water District Plant #4 Air Stripper.**
Due to the trend of increasing concentrations of contamination in influent water, there is the potential that air emissions from the air stripper may require treatment prior to discharge.
- 7. Sampling for, and possible extraction of a hotspot that had been found in the vicinity of GM-75D2 within the western plume.**
The Federal Facility Agreement (FFA) of 2005, between the Navy and NYSDEC states that the Navy would conduct a specific investigative task to determine the extent of contamination in the vicinity of deep monitoring well GM-75D2. It appears that this plume has migrated. The Navy was unable to locate the plume, due to insufficient characterization of the aquifer. Language within the FFA (attached) can be used as a mechanism for holding the Navy responsible for continuing to search for this plume, which appears to have migrated.
- 8. Development of a comprehensive site management strategy.**
The strategy includes performing a 3-dimensional evaluation of the groundwater contamination and a capture zone analysis of the public drinking water supply wells. The results of the evaluation would be used to address data gaps and the development of remediation strategies. A schedule should be developed for implementing this strategy.

